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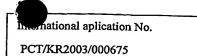
1'0 AUG 2004
WIPO PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Artcle 36 and Rule 70)

Applicant's or agent's file reference	FOR FIRTHER ACTION Section transmittation international remaining						
ATY			n Report (Form PCT/IPEA/416)				
International application No. PCT/KR2003/000675	International filing date(day)	• •	Priority date (day/month/year)				
	04 APRIL 2003 (04.04		09 APRIL 2002 (09.04.2002)				
International Patent Classification (IPC) or national classification and IPC							
IPC7 D02G 1/18							
Applicant							
KOLON INDUSTRIES, INC	et al						
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.							
2. This REPORT consists of a total	of 4 sheets, inc	luding this cover s	sheet.				
This report is also accomp	anied by ANNEXES, i.e., she	ets of the descripti	on, claims and/or drawings which have b	een			
amended and are the basis:	for this report and/or sheets c	ontaining rectificat	tions made before this Authority (see R	ule			
	ne Administrative Instructions	under the PC1).					
These annexes consist of a total	ofsheets.						
3. This report contains indications r	elating to the following items:						
I X Basis of the report							
II Priority							
	of opinion with regard to nove	ltv_inventive sten	and industrial applicability				
IV Lack of unity of inv		ily, miromiro stop	and medsarar approaching				
Paggarad statemen		and to movelty, inve	entive step or industrial applicability;				
v X citations and explan	ations supporting such statement	ent	enuve step or industrial application;				
VI Certain documents	cited						
VII Certain defects in th	e international application						
VIII Certain observation:	s on the international applicati	on					
Date of submission of the demand	Dr	ite of completion o	f this report				
			·£				
05 NOVEMBER 2003 (05.11.20	003)	29 JULY 20	04 (29.07.2004)				
Name and mailing address of the IPEA/KR		thorized officer					
Korean Intellectual Property		T 1000 3 41 44		FIN N			
920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea LEE, Min Hyung							
Facsimile No. 82-42-472-7140	Te	lephone No. 82-4	2-191-5921 E COPY				
form PCT/IPEA/409 (cover sheet) (July	1998)	SEDI AV	AILADLL OOI I				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT



1	I.	Basi	s of the report			
	1.	With	regard to the elements of the international application:*			
1		k Γ	the international application as originally filed			
		H	the description:			
l			pages, as originally filed pages, filed with the demand			
ı			pages, filed with the letter of			
			the claims:			
1	,		pages, as originally filed			
			pages as amended (together with any statment) under Article 10			
			pages, filed with the letter of, filed with the demand			
١	ı		the drawings:			
l	١		pages			
			pages			
		_	pages, filed with the letter of			
	L		the sequence listing part of the description:			
l			pages, as originally filed			
			pages, as digntally filed pages, filed with the demand, filed with the letter of			
İ			, med with the letter of			
2			regard to the language, all the elements marked above were available or furnished to this Authority in the language in which atternational application was filed, unless otherwise indicated under this item. e elements were available or furnished to this Authority in the following language which is			
			the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).			
			the language of publication of the international application (under Rule 23.1(b)).			
	Г	_	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/			
	L		or 55.3).			
3	3.	With preli	n regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international minary examination was carried out on the basis of the sequence listing:			
	Ĺ	╛	contained inthe international application in written form.			
	L		filed together with the international application in computer readable form.			
			furnished subsequently to this Authority in written form.			
		7	furnished subsequently to this Authority in computer readable form			
	Г	_ _	The statement that the subsequently furnished written sequence listing does not go beyond the disc losure in the international applications; as filed has been furnished.			
]	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.			
4.	Г	ר	The amendments have resulted to deep the state of the sta			
۲.	L	J	The amendments have resulted in the cancellation of:			
			the description, pages the claims, Nos.			
			the drawings, sheet			
•]	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).**			
		place his d i 70.	ement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to Opinion as "originally filed." and are not annexed to this report since they do not contain amendments (Rules 70.16 17).			
**	* Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.					
	- n/	777 (T)	DEA/400 (Do. 1777 1 4000)			

YES

NO

citations and explanations supporting such statement					
1.	Statement				
	Novelty (N)	Claims	1 - 28	YES	
		Claims		——————————————————————————————————————	
	Inventive step (IS)	Claims	1 - 28	YES	
		Claims		NO	

2. Citations and explanations (Rule 70.7)

Industrial applicability (IA)

1. Reference is made to the following documents:

Claims

Claims 1 - 28

D1: EP 0 352 376 A (TORAY INDUSTRIES, INC)

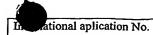
2. Reasoned statement with regard to novelty, inventive step and industrial applicability:

Claims 1-28 relate to a textured yarn composed of a fiber forming component and an extraction component with different shrinkage and excellent suede effect, wherein two-component composite yarn(effect yarn) having a monofilament fineness of 0.001 to 0.3 denier after extracting an extraction component are twined around a thermoplastic multifilament yarn(core yarn), 2 to 350 loops per meter of said two-component composite yarn of at least 1.0mm in length, and more than 95% of the two-component composite yarn loops of at least 1.0mm in length has a length of 1.0 to 2.5mm, and also relate to a method for manufacturing said textured yarn by air-texturing said two component composite yarn(effect yarn) and said thermoplastic multifilament yarn(core yarn) in an air texturing nozzle under the condition that the overfeed ratio of effect yarn to core yarn is 1.2 to 4.0.

The closest prior art to the present invention, D1 relates to a latent looped yarn, a fabric made of the same, and a method for manufacturing the latent looped yarn, disclosing the basic structure with mixed multifilament comprising two-component synthetic multifilaments having fine loops on the surface and different thermal shrinkage between said two components.

(Continued on Supplemental Sheet.)





PCT/KR2003/000675

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of:

Box V.

However, D1 does not disclose the technical feature of the present invention relating to a textured yarn with different shrinkage wherein two-component composite yarn(effect yarn) composed of a fiber forming component and an extraction component having a monofilament fineness of 0.001 to 0.3 denier after extracting an extraction component are twined around a thermoplastic multifilament yarn(core yarn), 2 to 350 loops per meter of said two-component composite yarn of at least 1.0mm in length, and more than 95% of the two-component composite yarn loops of at least 1.0mm in length has a length of 1.0 to 2.5mm and also relating to a method for manufacturing said textured yarn by air-texturing said two component composite yarn(effect yarn) and said thermoplastic multifilament yarn(core yarn) in an air texturing nozzle under the condition that the overfeed ratio of effect yarn to core yarn is 1.2 to 4.0. In addition, said technical feature and method of manufacturing are not disclosed and obvious to a person skilled in the art.

Therefore, claims 1 to 28 meet the requirements of PCT Article 33(2) and (3), with respect to novelty and an inventive step.

Claims 1 to 28 also meet the criteria set out in PCT Article 33(4), because all the claims are considered to be industrial applicability.